

ENGINEERING TARGET: TOMORROW  
MARCH 9 & 10, 1979

DEPARTMENT OF METALLURGY AND  
MINING ENGINEERING  
UNIVERSITY OF ILLINOIS,  
URBANA-CHAMPAIGN



The study of materials in this Department is broad, covering metals, polymers, electronic materials, and some ceramics. We consider both the basic science of materials and also materials applications. Energy-related problems occupy a lot of our time, both in the classroom and the laboratories. The curriculum shows the wide variety of uses we all make of materials. Our courses include basic metallurgy, mechanical properties, metal casting, corrosion, welding, fracture, physics of metals, applications of x-rays, electron microscopy and many other subjects. Our graduates are found all over the world in every kind of work--mining, metal production, manufacturing, the oil industry, electronics, polymers... Salaries are excellent, and our students find jobs easily. It's a fascinating field--metallurgy and materials science.

-C. Wert  
Department Head

List of Exhibits.....

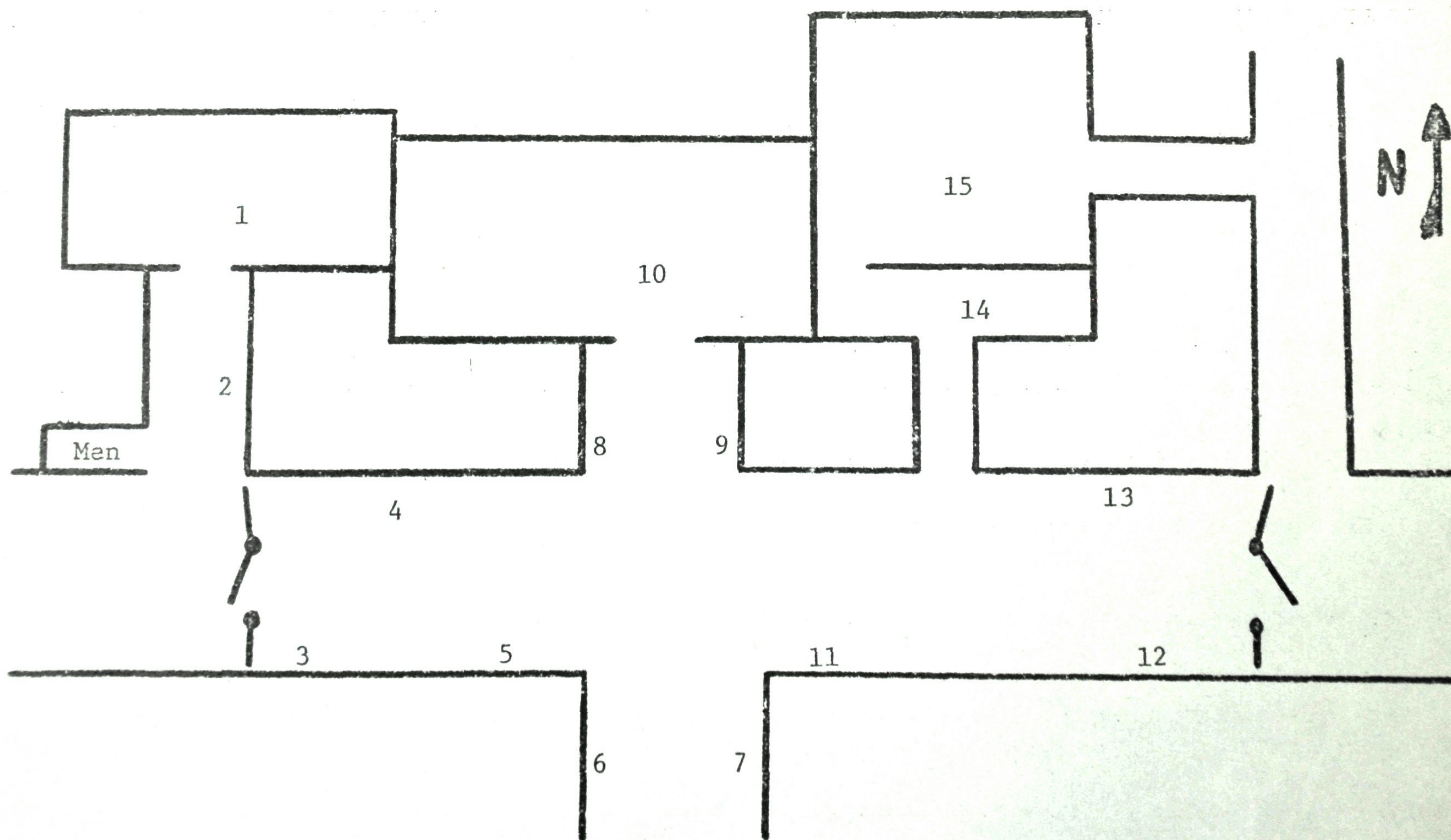
1. Welding--Watch a welder at work and let him explain the process to you.
2. Powder Metallurgy--Liquid metal turned to powder before your eyes!
3. Charpy V-Notch--Have you heard of the Great Boston Molasses Disaster? People drowned in it. Find out the rest of the gory details.
4. Cryogenic Metals--Steel floats in air-Impossible, you say; well, it sometimes happens. Check for exhibition times.
5. Tensile Pulling--Is plastic stronger than steel? Are you afraid of loud noises? These and other interesting questions answered.
6. Information Booth--We may not know the answer but ask us anyway because how will you know that we don't know if you don't ask us.



7. Passion and Memory Metal-So you think metals are cold and lifeless. Encounter sessions held continously.
8. Zone Refining-One good zone deserves another. Demonstration of amazing technique.
9. The Ingot-Become intimately involved with a 7', 750 pound Goliath.
10. Spin Casting-High speed wire making. Don't miss this one folks.
11. Polymers-Watch Nylon interfacial polymerization and see some injection molding.
12. Corrosion-Ever wonder why your car falls apart in the winter (not including the potholes)? Do you think that new ammonia wax remover is as strong as advertised? These and other pressing questions answered.
13. Pig Roaster-Please, please view this practical demonstration of welding technique. Wouldn't you like to have this in your backyard? (make a neat planter!)
14. Casting-WINWINWINWINWINWINWINWINWINWINWINWINWINWINWINWIN Aaaaaaaa FREE FREE FREE FREE medalion specially cast for EOH 1979. Details and terms given freely,too.
15. Theme Exhibit-Relax and enjoy some beautiful music and wondrous sights. This is one show that no one can afford to miss.

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Metallurgy and Mining Bldg.



MAR 9 - 1979

Green Street